Claims

1. Medical implants that consist of a vehicle that is coated with a polymer or a polymer mixture, characterized in that the polymer mixture contains a polycyanoacrylic acid ester or a polymethylene malonic acid ester.

2. Medical implants according to claim 1, wherein the vehicle consists of metal or a polymer.

3. Medical implants according to claim 1 or 2, wherein the vehicle is a stent.

4. Medical implants according to one of the preceding claims, wherein the coating contains polymers that consist of cyanoacrylate butyl ester.

5. Medical implants according to one of claims 1 to 3, wherein the coating consists of polycyanoacrylic acid ester and at least one other polymer.

6. Medical implants according to claim 5, wherein substances that influence the degradation of the polymer are contained in the polymer coating.

7. Medical implants according to claim 6, wherein the coating contains calcium carbonate.

8. Medical implants according to claim 5, wherein at least one of these additional polymers originates from one of the substance groups that are indicated below: proteins (especially albumin, gelatin, fibrinogen, fibrin, hirudin, heparin, collagen or immunoglobulin) as well as derivatives thereof (especially crosslinked polypeptides, conjugates of proteins with

polyethylene glycols and other polymers), pseudopolyamino acids, starch or starch derivatives, chitin, chitosan, pectin, polylactic acid, polyglycolic acid, polyhydroxybutyric acid, polyester, polycarbonates, polyamides, polyphosphazenes, polyvinyl alcohol, polyamino acids, poly-ξ-caprolactone, polyorthoester, polyurethane, polyurea, polyethylene terephthalate, and polymethylene malonic acid ester.

9. Medical implants according to claim 5, wherein the polymer layer that is applied contains at least one softener.

10. Medical implants according to claim 9, wherein the softener is a nonionic surfactant, especially nonylphenoxy-polyethylene oxide (Synperonic™ NP20), octoxynol (Triton™ X-100) or poloxamers (Pluronic™ F127 or Pluronic™ F68).

11. Sterile solution of a polymer mixture in a special incubation vessel for the production of medical implants according to one of claims 1 to 10.

12. Use of polymers that consist of cyanoacrylates and/or methylene malonic acid esters for coating medical devices and implants, which are to prevent the proliferation of cells.

13. Process for the production of medical implants according to claim 1, wherein the vehicle or the medical implant that is to be coated or the part of the medical implant that is to be coated is immersed in a solution, which contains the polymers that consist of cyanoacrylate and/or methylene malonic acid ester, and then is drawn out from this solution.

14. Process according to claim 13, wherein in addition to the polymers that consist of cyanoacrylate and/or methylene malonic acid ester, the solution contains additional polymers.

15. Process for the production of a medical implant that is coated with polymer with use of a sterile solution according to claim 11.